

Dok Ak Nauk SSSR Vol 62, No. 4 (10st)
PP 468-471 1948

Sound propagation in a liquid layer with constant
constant gradient of propagation velocity

Brekhovskikh

Doklady Akademii Nauk SSSR, v. 32, #4

Russian

Proj # 8453

A-2274.1

SR Date: _____

Naval
5/1/51.

The Volume of the Uranyl Ion in Solution, by A. F.
Kapustinaki, I. I. Lipilina.

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HLL M. 4530

Sci - Chem

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Apr 62

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Ya. I. Ol'shan'skiy The Velocity
of Crystallization of Solid
Phase Colloids at High Temper-
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Proj 7535-

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Platonova, E. A.
Rebinder, P. A.

Doklady Akademii Nauk SSSR, Vol. 62, 1948, #4, pp. 501-504; 2 figures, 2100 words.

Influence of Surface Activity of Liquid Medium upon
Cutting Processes and Machinability of Metals.

Butcher Trans, Order No. 2 65, \$4.20

Determination Of the Suction Force Of Leaves By
the Compensation Method With the Aid Of A Refrac-
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No 4, 1948, pp 537-540.

CSIRO Tr 3861

Oct. 62

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"Siderite in the Devonian" ---

On Certain Criteria of Stability of the Integrals
of a System of Two Linear Differential Equations
with Periodic Coefficients, by A. V.
Yurovskiy, 7 pp. UNCLASSIFIED

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXII,
No 5, 1948, pp 595-598.

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AEC J11132
Sci Tr Center
RT-2028

Scientific - Mathematics

Jan 55 CTS
~~Dec 54 CTS~~

Dependence of the Fluorescence Yield of Iodine
Vapor on the Wavelength of the Exciting Light,
by M. Alent'gov.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. LXII, 1948,
pp 607-609.

AEC UCRL Tr 489

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Oct 59

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Gamma Spectroscopy Using Compton Electrons, by
B. S. Dzhelepov, M. L. Orbeli, 6 pp.

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol
LKII, No 5, 1948, pp 615-617.

Sci Mus Lib No 56/3145

Sci - Physics

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Shreiner, L. A.
Robinson, P. A.

Monthly Academic Rank Ser., Vol. 62, 1948, No. 3, pp.
653-655; 2 figs., 1 table, 1000 words.

Strain Hardening of Aluminum During Cutting in In-
active and in Surface-active Cutting Fluids.

Brusher Trans., Order No. 2405, \$1.75

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of Silica in the Water of the Lake Baikal,
by K. K. Vetintsev.

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Feb 62
Vol III, No 11.

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Preparation of an Artificial Phytochromoprotein, by
D. I. Sapezhnikov.

RUSSIAN, no per, Dok Akad Nauk SSR, Vol LXII, No 4,
1948, pp 665 - 667.

AEC Tr 1094

Sci - Chem

Dec 51 CTS

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ABOUT THE PLASMODESMATA IN PLANT CELLS
IN DORMANCY. [1961] 5p. (13 refs. 4 figs. omitted).
Order from OTS or SLA \$1.10 62-10756

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v. 62, no. 5, p. 705-712.

DESCRIPTORS: *Plants, Physiology, *Cells (Biology),
*Growth, Metabolism.

(Biological Sciences--Botany, TT, v. 7, no. 10)

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I. Oknina, E. Z.

Office of Technical Services

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Order from OTS or SLA \$1.10

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Trans. of Akademiya Nauk SSSR. Doklady, 1948,
v. 62, no. 5, p. 713-716.

DESCRIPTORS: *Plants, *Cells (Biology), Physiology,
Rubber, Potatoes, Growth.

(Biological Sciences--Botany, TT, v. 7, no. 10)

62-10755

I. Satarova, N. A.

Office of Technical Services

Application of a Rotating Polarizer to the Study of
the State of Polarization of Reflected and Scattered
Light in Particular for the Purpose of the Precise
Measurement of the Thickness of Thin Films, by
V. V. Karasev, B. V. Dergyanin, 8 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXII, 1948,
pp 761-764.

SLA 59-15112

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Zbarskii, I. B. and Debov, S. S.
THE CELLULAR NUCLEI PROTEINS. [1961] 8p.
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Order from OTS or SLA \$1.10

62-10198

Trans. of Akademiya Nauk SSSR. Doklady, 1948, v. 62,
no. 6, p. 795-798.

DESCRIPTORS: *Nucleoproteins, *Cells (Biology),
Plants, Animals.

(Biological Sciences--Biochemistry, TT, v. 7, no. 9)

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II. Debov, S. S.

Office of Technical Services

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DOKLADY AKADEMII NAUK SSSR, Vol 62, 1948, pp 799-801

Experimental Determination of Optimum Quantity of Liquid
Phase in Ceramic Materials by the Method of Analogy

Brutcher Trans 2387, \$2.10

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POPIL'SKIY, R. Ya.

DOK AK NAUK SSSR, vol 62, 1948, pp 803-6

On the Process of Sintering and on Certain Properties
of Mullite Synthesized of Refractory Clay and Technical
Alumina

Brutcher Trans 2396, \$2.90

Thermodynamic Properties of Adsorption Complexes in
Heterogeneous Catalysis, by A. A. Balashin.

RUSSIAN, no per, Dok Ak Nauk SSSR, Vol LXIII, No 1,
1948, pp 33-36.

ADC Tr 219

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July CTS

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Scientific - Chemistry

Experiments on the External Photoeffect of Semiconductors, by A. N. Arsen'eva-Geil'.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXII, No 1, 1948, pp 47-50.

AEC Tr 1513

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Scientific - Physics, semiconductors

Brookhaven Nat Lab 24 Mar 1953

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Vol 63, #1

(1978)

Generalized Integral Relation for Thermal Boundary
Layer & Application to Calculation of Heat Ex-
change.

L. I. Kudriashov

In process - ANSC
(Delcom - Jan 51)

61/41783

DOK AK NAUK SSSR

Vol LXIII, No. 1, 4 pp, 1948

"Type $M_{\frac{2Z-1}{2}}$ Radioactive Nuclei"

V. S. Dzhelepov

Done by Brookhaven

see G to RSPL Vol 3, No 6, June 1950

Page 157

35/49T87

Electrical Conductivity of Chromium Sulphides,
by I. G. Gakidov, N. P. Grazhdankina.
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 63, No 1,
1948, pp 27228.
Dept of Navy APL/JHU T-2364

Sci-Elec
Jan 70

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Electric Conductivity of Chromium Sulfides,
by I. G. Fakidov, N. P. Grazhdankina

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXIII, No 1,
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AEC Tr - X 1147

Scientific - Chemistry

Measurements of the Viscosity of Polymolecular
Boundary Layers of Liquid by the Method of
Blowing, Boundary Phases, by S. Danyagin,
Y. Pichugin, 9 p.

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pp 53-56.

SLA 59-27402

Sci
Jan 60
Vol 2, No 8

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Elastic Properties of Mono-Layers of Albumins
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Dependence in Connection with Thermal
Denaturation, by A. A. Trapeznikov, 8 p.

RUSSIAN, per, Dok Ak Nauk, 1948, Vol LXIII,
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SLA 59-17401

Sci
Jan 60
Vol 2, No 8

105, 588

On the Gas Exchange During Respiration of Grain
Stored in Silos and Warehouses, by A. P. Prokhorova
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Sci - Chemistry
Apr 57 GIB/dec

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Dynamics of Nucleic Acids During the Conjugation
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7 pp.

RUSSIAN, Unice-mo per, Dok Ak Nauk SSSR, Vol. LXIII,
No 1, Moscow, 1 Nov 1970, pp 73-75.

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On the Composition and Structure of Small Stringerlike
Formations on Silica Brick Open-Hearth Roofs, by V. A.
Bron.

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Scientific - Min/Metals

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ON THE HIGH FLUIDITY OF SULPHIDE MELTS
AND THE POSSIBLE GEOLOGICAL SIGNIFICANCE
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28 Mar 61 [7]p. 1 ref.

Order from OTS or SLA \$1.10

61-19565

Trans. from Akademiya Nauk SSSR. Doklady, 1948,
v. 63, no. 2.

DESCRIPTORS: *Iron compounds, *Sulfides, Melting,
Crucibles, Surface tension, Thin films, Chemical
analysis, Fluid flow, Impurities, Rock, Geology.
*Silicates, *Iron alloys, Deposits, Ores, Minerals.

(Earth Sciences--Geology, IT, v. 7, no. 9)

61-19565

- I. Ol'shanskii, Ya. I.
- II. Geological Survey of
Canada

Office of Technical Services

Emission of Photographically Active Particles in
the Atmospheric Corrosion of Metals, by I. L. Rodin,
1943, 5 pp.

RUSSIAN, per, Dok Ak Nauk, Vol IXVII, No 2,
1943, pp 119-122.

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Scientific - Minerals/Metals Jun 53 CMC

SLA R-1763

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Zimakov, P. B. and Pokrovskii, V. A.
ON THE OXIDATION MECHANISM OF ALLYL
ALCOHOL AND ACROLEIN. [1963] Sp Srefo
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Trans. of Akademiya Nauk SSSR, Doklady, 1948, v. 63,
no. 2, p. 143-145.

DESCRIPTORS: *Alcohols, *Acroleins, Oxidation,
Allyl radicals, Silver catalysts.

(Chemistry--Organic, TT, v. 11, no. 1)

TT-63-20521

1. Title: Allyl alcohol
I. Zimakov, P. B.
II. Pokrovskii, V. A.

Office of Technical Services

Recombination of Atoms on Solid Surfaces by
V. V. Voevodskiy and G. K. Lavrovskaya

RUSSIAN, Dok Ak Nauk SSSR, Vol 63, No 2, 1948,
pp 151-4

See Upton, New York State: Brookhaven National
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Guide to Russian scientific per lit, Vol 3, No 1,
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The Flow Method of Ultramicroscope Measurement of
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4 pp.

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SCI Tr Center
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Scientific - Physics

Jan 55 CTS/DEX

Spectral and Photochemical Properties of Chlorophyll
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G. P. Brin, 6 pp. UNCLASSIFIED

EX-101
Abstract, thrice-no per, Dok Ak Nauk SSSR, Vol. 2, 1948, pp 163-165.

CIA/FDD/X-1500

Scientific - Chemistry

19,591

Voevodskii, V. V. and Lavrovskaya, G. K.
RECOMBINATION OF ATOMS ON SOLID SURFACES
[Rekombinatsiya Atomov na Tverdykh Poverkhnostyakh].
[1961] 4p.

Order from ATS \$6.95

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v. 63, no. 2, p. 151-154.

Another translation is available from SLA as RT-612.

DESCRIPTORS: Atoms, *Recombination reactions,
Surfaces.

61-22605

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- II. Lavrovskaya, G. K.
- III. ATS-84N51R
- IV. Associated Technical
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Orange, N. J.

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Aspartic-Alanine Aminotransferase, by M. G. Kritsman,
O. P. Samarin, 7 pp.

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Frimer, A. I.
ELECTRON MICROSCOPE STUDIES OF ANTIMONY
CESIUM LAYERS. [1963] [9p] Ref. AERDL T-1690.
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v. 63, no. 3, p. 255-257.

DESCRIPTORS: •Thin films, •Metal films, •Antimony,
•Cesium, Vapor plating, Microstructure, •Electron
microscopy,

(Physics--Solid State, TT, v. 11, no. 6)

TF-63-23943

- I. Frimer, A. I.
- II. AERDL T-1690
- III. Army Engineer Research
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Fort Belvoir, Va.
- IV. Scripta Technica, Inc.,
Washington, D. C.

Office of Technical Services

SS/49T110 Blokhin V. I. Tab

Vol. 2. 7. 9 Gunde

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"Speed of Ultrasonic" ---

V. F. Nozdrev

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Vol LXIII, No 3, 1948, 2½ pp

"Influence of Surface on the Polymerization of Vinyl
Acetate"

A. Ya. Pavlushina
M. V. Polyakov

AEC/BNL/tr - 127

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DOK AK NAUK SSSR

Vol LXIII, No 3, 4 PP, 1948

"Dispersion of a Droplet in an Air Stream"

M. S. Volynskiy

Trans Avail @ Sci Museum

Trans # 50/1228

Great Brit

Done also by AEC #168

Brookhaven

36/49T80

Fine Structure of the Gamma Lines of RaC by
V. V. Gey, G. D. Latunishv and M. V. Pasechnik

RUSSIAN, Dok Ak Nauk SSSR, Vol 63, No 3, 1948,
pp 239-42

See Upton, New York State: Brookhaven National
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Feb 1950, pp 33-36

Sci Museum Lib No 50/3268 - London

SLA 61-17435

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The Role of Copper in Obtaining Metallo-Aromatic
Compounds by Diazo -- Reaction and Some Considerations
on the Mechanism of the Sandmeyer Reaction, by A. B.
Bruker and F. L. Maklayev, ~~38/477~~ 7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXIII, No 3, 1948.

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Scientific - Chemistry

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Experiment on the Fractional Separation
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Several Subterranean Waters of the ~~Az~~
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SLA TT 64-20190

Apr 67

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The examination of the process of oxidation of iron
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Determination of the Coordinate Axes of the Basic
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Sci - Physics
Aug 59

95, 649

New Family of Parasitic Mucoid Diptera Than Keshov
Sivolahtia, by E. D. Rodendorf, 9 pp.

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No 4, 1968, pp 455-458.

Sci Tr Center IR-1220

Scientific - Biology

Jul 91 GMS

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New Species of Bot-Flies From Under the Hide of
Orongo Antelopes, by K. Ya. Grunin, 3 pp.

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No 4, 1948, pp 469-472.

Sci Trans Center RT-1/24
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Scientific - Biology
CTS/DEX

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Problem in Torsion, by D. I. Sherman.

RUSSIAN, per, Dok & Ak Nauk SSSR,
Vol LXIII, 1948, pp 499-502.

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Sci - Engr

Mar 62

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Vol 63, # 5

(1944)

Motion of Particles of Products of Detonation of
Linear Charge
K. P. Stanyukovich

In process - AMIC
(Telecom - Jan 51)

Contribution to the Theory of the Coercive Force
of Steel, by E. Kondorskiy

RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol.
VIII, No 5, 1948, pp 507-510.

Brutcher Tr 3221

Scientific - Minerals/Metals

11/3/58

Price \$3.90

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Monochromatic Positrons of Internal Conversion by
G. D. Latushev, V. V. Gey, A. A. Bashilov and
I. F. Barchuk

RUSSIAN, Dok Ak, Vol 63, No 5, 1948, pp 511-3

See Upton, New York State: Brookhaven National
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The Thermodynamic Basis of the Principle of Trans-
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Sci Tr Ctr NT-3410

Scientific - Chemistry

316, 9/14

May 56 CIS/lex

Detonation of Gaseous Mixtures, by S. M. Kogarko,
Y. B. Zel'dovich, 9 pp.

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SIA TR R-1175

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Dielectric Properties of Adsorbed Vapors by L. N. Kur-
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Contribution to the Question of the 22-Year Cycle
of Solar Activity, by A. I. Ol, 4 pp.

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ATTC F-TS-9614/v

Sci - Astron
Mar 59

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Energy Level Structure of the Antimony-Cesium Cathode,
by N. S. Khlebnikov, A. E. Melamid.

Full translation.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXIII, No 6, 1948,
pp 649-651.

AEC Tr 1478

Scientific - Physics, Electricity, antimony-cesium,
cathode

Jan 53 CTS/DEX

P-I-4 T-424

2 Nov 53 1255

Adsorption Isotherms of Solutions Involving Phase
Separation and Crystallisation. Adsorption of
Phenol from Solutions in Heptane on Silica Gel,
by K. Gh. Krasil'nikov, and A. V. Kisilev,
UNCLASSIFIED

RUSSIAN, per, Dok Ak Nauk SSSR, 1948, Vol 63, No 6,
pp 693-699.

Sci Mus Lib No 52/2940

Scientific - Chemistry
25 October 1952

Solubility in the system $H_2O - Fe_2O_3$, by N. A. Zolotarev, and A. I. Borisovskiy.

in translation.

1971, no per, Dokl Ak Nauk SSSR, Vol LXIII, No 6, 1971, pp 705-708.

AEC Tr 1438

SLR TR R-1036

Scientific - Chemistry, $H_2O - Fe_2O_3$

Nov 52 CTS/DEX

On the Subject of Paragenesis of Titanium Organic
Carbon, and Some Other Elements, by I. V.
Kamalyovskaya, N. G. Morozova, 8 p.

RUSSIAN, per, Dok Ak Nauk SSSR, 1948, Vol LXIII,
No 6, pp 713-715.

SLA 59-16376.

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Vol 2, No 10

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(1948)

V. L. Ryzhkov, Some Laws Governing the Action of
Suppressors of Viruses and Bacteriophage.

Prof. # 8417

L. M. Bl.

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1949 V66 P1097-1100	70-22623 <*
1949 V68 P1045-1048	AD-698 332 <2>
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1950 V73 P719-722	70-22618 <*
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1951 V76 N4 P519-522	70-11190-20C <*
1951 V76 N4 P547-550	70-22620 <*
1951 V77 P489-491	NP-TR-1852 <2>
1951 V78 N3 P473-476	70-22622 <*
1951 V78 N5 P921-924	70-11175-20C <*
1951 V79 N1 P53-56	70-11191-20L <*
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1951 V79 N3 P431-434	70-11177-20C <*
1951 V80 N4 P635-638	70-23674 <*
1951 V80 N5 P759-760	70-23431 <*
1951 V81 N2 P285-288	3630.48(178) <MLL>

70-11861-06C

DOK AK NAUK SSSR

Vol LXIV, No 1, 2 pp, 1949

"Surface Tension in Eutectic Alloys"

Iu. A. Klyachko
L. L. Kunin

AEC/BNL/ tr - 119

26/49T79

DOK AK NAUK SSSR

Vol LXIV, No 1, 3 pp, 1949

"The New Theory of Solar Eruptions and Sudden
Disturbances of the Ionosphere in the D Layer Dependent
Upon Them"

I. S. Shklovskiy

NRL Trans 211

26/49T84

DOK AK NAUK SSSR

Vol LXIV, No 1, 4 pp, 1949

"Organic Peroxide From Green Leaves"

P. A. Kolesnikov

Done by AEC

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26/49T3

Observation of the Region of the Galactic Center in
the Infrared, by A. A. Kalinyak, V. I. Krasovskiy,
V. B. Nikonov, 8 pp. UNCLASSIFIED

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Scientific - Astronomy

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A New Oxide of Potassium, by I. A. Kazarnovskiy et al.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol LXIV, No 1, 1949,
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ATB RJ-1691

Sci - Chem

Jul 59

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Photochemical Reaction of Organomercuric Compounds
in Solutions, by G. A. Razuvaev, Yu. A. Ol'dekop,
7 pp.

RUSSIAN, thrice-mo. per, Dok Ak Nauk SSSR, Vol LXIV,
No 1, 1949, pp 77-80.

CIA/FDD/X-1192

Scientific - Chemistry
CTS/DEX

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Andreeva, N. A. and Bukin, V. N.
EEN FLUORIMETRISCHE METHODE VOOR BEPALING
VAN FOLIUMZUUR (Fluorometricheskii Metod Opre-
deleniya Folevoi Kisloty) (Fluorometric Determination
of Folic Acid) tr. by R. Belz. Sp. 3 refs. MTWL: 873.
(text in Dutch).
Order from OTS or ETC \$1.55 61-17637

Trans. of Akademiya Nauk SSSR. Doklady, 1949,
v. 64, p. 95-98.

DESCRIPTORS: *Folic acid, Vitamin B, Fluorophoto-
meters, *Fluorescence.

61-17637

I. Andreeva, N. A.
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NEW METHOD OF HIGH-GRADE DISTILLATION OF LIQUIDS. [1963] [6p]

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Trans. of Akad[emiya] Nauk SSSR. Doklady, 1949, v. 64, no. 3, p. 357-360. (Abstract available)

DESCRIPTORS: *Distillation, Liquids, Water, Pressure, Vaporization, Gas flow,

The liquid is evaporated at a temperature lower than its boiling temperature under atmospheric pressure, with a stream of purified air sweeping its surface to carry off the vapor. The rate of distillation at a given temperature increases with the velocity of the air stream particularly at low velocities and tends to level off as the velocity is increased. Water distilled once by this method has an electrical conductivity of $0.5 \times 10^{-6} \text{ ohm}^{-1}$, i.e., a purity of the same order as (Chemistry--Physical, TT, v. 11, no. 4) (over)

I. Artemov, I. S.

Office of Technical Services

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